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# MONTANA OIL AND GAS STATISTICAL BULLETIN

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## THE OIL AND GAS CONSERVATION COMMISSION

VOL. V. No. 9 McKEE PRINT. September, 1957

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1957, averaged 77,633 barrels daily, an increase of 969 barrels from the average August production of 76,664.

The eleven refineries in the State processed 69,835 barrels of crude oil daily for the month of September, 1957, a decrease of 2,171 barrels daily from the 72,006 barrels processed daily during the month of August, 1957.

During September, 32 wells were completed, 14 oil, 3 gas wells and 15 dry holes.

During September, the Commission issued 45 permits to drill new wells an increase of 5 from the 40 permits issued during August.

### SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1957

| | |
|---|---|
| IN STORAGE SEPTEMBER 1st: | |
| By Producers | 353,559 |
| By Transporters | 734,716 |
| By Refiners | 515,995 |
| TOTAL STORAGE | 1,604,270 |
| Produced in Montana During Month | 2,328,991 |
| Imported During Month | 1,360,445 |
| TOTALS | 5,293,706 |
| DISPOSITION: | |
| Refined in Montana | 2,095,102 |
| Exported | 1,507,616 |
| Used for Fuel or Lost | 10,089 |
| TOTAL | 3,612,807 |
| IN STORAGE SEPTEMBER 30th: | |
| By Producers | 366,613 |
| By Transporters | 742,243 |
| By Refiners | 572,043 |
| TOTAL STORAGE | 1,680,899 |

### NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1957

| Field | M Cu. Ft. |
|---|---|
| Bears Den | 0 |
| Big Coulee | 30,000 |
| Bowdoin | 55,497 |
| Bowes | 38,352 |
| Box Elder | 5,275 |
| Cabin Creek | 2,301 |
| Cedar Creek | 217,349 |
| Cut Bank (Including Reagan) | 1,014,366 |
| Devon | 12,672 |
| Dry Creek | 118,561 |
| Elk Basin | 36,525 |
| Flat Coulee | 16,498 |
| Golden Dome | 4,696 |
| Hardin | 4,210 |
| Keith Block | 90,661 |
| Kevin-Sunburst | 57,510 |
| Pine | 116,388 |
| Plevna | 19,862 |
| Utopia | 27,784 |
| Whitlash | 74,771 |
| Miscellaneous | 66,279 |
| TOTAL | 2,009,557 |

Total Withdrawal for September 1956 were 1,503,351 M Cu. Ft.

## PRODUCER'S REPORT

### MONTH OF SEPTEMBER, 1957

| Leases Operated | Field | No. of Wells | Storage First of Month | Oil Produced | Oil Shipped By Pipeline | Oil Shipped By Truck | Used or Lost | Storage End of Month |
|---|---|---|---|---|---|---|---|---|
| 1 | Ash Creek | 4 | 1,090 | 2,790 | ..... | 3,349 | ..... | 531 |
| 2 | Bannatyne | 3 | ..... | 295 | ..... | 295 | ..... | ..... |
| 10 | Big Wall | 28 | 5,930 | 23,673 | ..... | 20,847 | ..... | 8,756 |
| 6 | Blackfoot | 7 | 3,597 | 10,834 | ..... | 13,108 | ..... | 1,323 |
| 4 | Border | 8 | ..... | 519 | ..... | 519 | ..... | ..... |
| 20 | Bowes | 86 | 7,448 | 29,098 | 26,183 | ..... | ..... | 10,363 |
| 2 | Bredette | 2 | 2,471 | 1,200 | 1,527 | ..... | 436 | 1,708 |
| 4 | North Bredette | 4 | 4,030 | 11,263 | 9,317 | 3,293 | ..... | 2,683 |
| 1 | Brorson | 2 | 1,516 | 1,575 | 1,738 | ..... | ..... | 1,353 |
| 2 | Bynum | 2 | 519 | 239 | ..... | 151 | ..... | 607 |
| 2 | Cabin Creek | 58 | 17,949 | 356,016 | 347,017 | ..... | 1,719 | 25,229 |
| 28 | Cat Creek | 79 | 4,341 | 13,646 | 12,244 | ..... | ..... | 5,743 |
| 1 | Clark's Fork | 1 | 179 | 1,013 | ..... | 905 | ..... | 287 |
| 2 | Clark's Fork, North | 2 | 2,954 | 15,095 | ..... | 15,620 | ..... | 2,429 |
| 2 | Cupton | 2 | 2,035 | 2,056 | 2,837 | ..... | 16 | 1,238 |
| 340 | Cut Bank | 1,139 | 113,850 | 200,297 | 198,657 | ..... | 31 | 115,459 |
| 3 | Deer Creek | 5 | 1,677 | 7,176 | 5,943 | ..... | ..... | 2,910 |
| 2 | Delphia | 2 | 1,306 | 4,284 | ..... | 4,328 | ..... | 1,262 |
| | Devil's Basin | .... | 529 | ..... | ..... | ..... | ..... | 529 |
| 6 | Dry Creek | 6 | 1,140 | 6,911 | 7,119 | ..... | ..... | 932 |
| 20 | Elk Basin | 58 | 9,584 | 223,692 | 222,290 | ..... | ..... | 10,986 |
| 3 | Fertile Prairie | 3 | 1,840 | 2,164 | 811 | 1,908 | ..... | 1,285 |
| 2 | Frannie | 2 | 357 | 3,896 | 3,882 | ..... | ..... | 371 |
| 1 | Gage | 1 | 675 | 174 | ..... | ..... | ..... | 849 |
| 3 | Gas City | 12 | 4,957 | 27,231 | 25,538 | ..... | ..... | 6,650 |
| 6 | Glendive | 12 | 6,805 | 58,631 | 57,290 | ..... | ..... | 8,146 |
| 4 | Ivanhoe | 10 | 3,433 | 33,068 | ..... | 33,528 | ..... | 2,973 |
| 212 | Kevin-Sunburst | 1,394 | 16,779 | 79,317 | 78,829 | ..... | ..... | 17,267 |
| | Lake Basin | .... | 639 | ..... | ..... | ..... | ..... | 639 |
| 1 | Little Beaver | 7 | 2,571 | 17,392 | 17,728 | ..... | ..... | 2,235 |
| 2 | East Little Beaver | 2 | 1,273 | 1,754 | 1,251 | ..... | ..... | 1,776 |
| 5 | Melstone | 7 | 4,330 | 6,206 | ..... | 7,053 | ..... | 3,483 |
| 3 | Mosser | 8 | 1,715 | 331 | ..... | 715 | ..... | 1,331 |
| 6 | Outlook Area | 6 | 9,411 | 19,071 | ..... | 21,651 | ..... | 6,831 |
| 11 | Pennel | 23 | 7,260 | 63,158 | 64,317 | ..... | ..... | 6,101 |
| 5 | Pine | 111 | 19,519 | 462,055 | 456,952 | ..... | 1,797 | 22,825 |
| 70 | Pondera | 318 | 9,439 | 48,881 | 48,035 | ..... | 39 | 10,246 |
| 11 | East Poplar | 98 | 31,201 | 369,005 | 367,792 | ..... | 179 | 32,235 |
| 3 | Northwest Poplar | 4 | 1,491 | 2,007 | ..... | 2,832 | ..... | 666 |
| 4 | Ragged Point | 8 | 4,163 | 9,061 | ..... | 9,342 | ..... | 3,882 |
| 1 | Rattlesnake Butte | 1 | 288 | 37 | ..... | ..... | ..... | 325 |
| 4 | Reagen | 43 | 3,260 | 17,529 | 18,075 | ..... | ..... | 2,714 |
| 1 | Repeat | 1 | 886 | 419 | 963 | ..... | ..... | 342 |
| 4 | Richey | 8 | 2,321 | 14,361 | 12,298 | ..... | ..... | 4,384 |
| 2 | Snyder | 4 | 1,566 | 3,094 | ..... | 3,079 | ..... | 1,581 |
| 5 | Soap Creek | 18 | 7,295 | 10,231 | ..... | 12,880 | ..... | 4,646 |
| 1 | Southwest Richey | 2 | 357 | 1,056 | 911 | ..... | ..... | 502 |
| 18 | Sumatra | 57 | 12,064 | 105,362 | 102,931 | 2,420 | ..... | 12,075 |
| 4 | Sweetgrass Hills | 4 | 644 | 557 | ..... | 194 | ..... | 1,007 |
| 10 | Whitlash | 28 | 6,088 | 9,621 | 8,372 | 1,682 | ..... | 5,655 |
| 8 | Wolf Springs | 20 | 6,875 | 48,103 | 48,165 | ..... | 195 | 6,618 |
| 2 | Woodrow | 2 | 777 | 3,418 | 2,814 | ..... | ..... | 1,381 |
| 1 | Yellowstone | 1 | 1,135 | 129 | ..... | ..... | ..... | 1,264 |
| 871 | | 3,713 | 353,559 | 2,328,991 | 2,151,826 | 159,699 | 4,412 | 366,613 |

| Total Oil Produced and Shipped from Leases | Bbls. Produced | Daily Average | Bbls. Shipped | Daily Average |
|---|---|---|---|---|
| Year, 1956 | 21,759,561 | 59,615 | 21,585,574 | 59,139 |
| First Quarter, 1957 | 6,374,172 | 71,620 | 6,318,255 | 70,992 |
| Second Quarter, 1957 | 6,725,093 | 73,902 | 6,689,645 | 73,512 |
| July 31, 1957 | 2,368,373 | 76,399 | 2,364,963 | 76,289 |
| August 31, 1957 | 2,376,585 | 76,664 | 2,375,625 | 76,633 |
| September 30, 1957 | 2,328,991 | 77,633 | 2,311,525 | 77,050 |

| Oil in Storage | In Producers Field Tanks | In Transporters Storage | In Refiners Storage* | Total Oil in Storage* |
|---|---|---|---|---|
| December, 1956 | 324,681 | 618,681 | 768,496 | 1,711,858 |
| March 31, 1957 | 342,456 | 636,795 | 637,001 | 1,616,252 |
| June 30, 1957 | 355,630 | 655,095 | 518,984 | 1,529,709 |
| September 30, 1957 | 366,613 | 742,243 | 572,043 | 1,680,899 |

*Includes Wyoming Oil.

# TRANSPORTERS REPORT

## MONTH OF SEPTEMBER, 1957

| | Storage First of Month | Oil Received by | | | Loss or Gain | OIL SHIPPED TO | | | Storage End of Month |
|---|---|---|---|---|---|---|---|---|---|
| | | Pipeline | Truck | Connecting Carrier | | Montana | Other States | Connecting Carrier | |
| ASH CREEK—Truck | | | 3,349 | | | | 3,349 | | |
| BANNATYNE—Truck | | | 295 | | | 295 | | | |
| BIG WALL—Truck | | | 20,947 | | | 12,957 | 7,890 | | |
| BLACKFOOT—Union Oil Co. | | | 13,108 | | | 13,108 | | | |
| BORDER—Truck | | | 519 | | | 519 | | | |
| BOWES— | | | | | | | | | |
| Trigood Oil Company | 3,944 | 1,889 | | | (155) | | 813 | | 5,175 |
| The Texas Company | | 24,294 | | | | 24,294 | | | |
| | 3,944 | 26,183 | | | (155) | 24,294 | 813 | | 5,175 |
| BRORSON—Sun Oil Company | | 1,738 | | | | | 1,738 | | |
| BYNUM—Truck | | | 151 | | | 151 | | | |
| CABIN CREEK & OTHERS* | | | | | | | | | |
| Butte Pipe Line Co. | 302,880 | 842,344 | | 528,890 | (47) | | 1,377,657 | | 296,504 |
| Shell Pipe Line Co. | 6,573 | 101,740 | 1,908 | | 470 | | | 103,530 | 6,221 |
| | 309,453 | 944,084 | 1,908 | 528,890 | 423 | | 1,377,657 | 103,530 | 302,725 |
| CAT CREEK— | | | | | | | | | |
| Continental Pipe Line Co. | 3,361 | 8,509 | | | (27) | 8,154 | | | 3,743 |
| Wm. Hanlon | | 3,735 | | | | 3,735 | | | |
| | 3,361 | 12,244 | | | (27) | 11,889 | | | 3,743 |
| CLARKS FORK—Truck | | | 16,525 | | | 3,320 | 13,205 | | |
| CUT BANK | | | | | | | | | |
| Big West Oil Co. | | 2,968 | | 28,454 | | 31,422 | | | |
| Darling Gathering System, Inc. | 4,276 | 14,706 | | | | 15,204 | | | 3,778 |
| Phillips Petroleum Co. | 66,004 | 38,869 | | | 603 | | | 21,739 | 82,531 |
| Texas Pipe Line Co. | 55,484 | 44,481 | | 69,753 | (1,566) | 45,185 | | 33,748 | 92,351 |
| Toronto Pipe Line Co. | 32,588 | 56,909 | | | 107 | | | 55,837 | 33,553 |
| Union Oil Co. | 134,571 | 41,690 | | 13,117 | 1,029 | 66,991 | | | 121,358 |
| | 292,923 | 199,623 | | 111,324 | 173 | 158,802 | | 111,324 | 333,571 |
| DELPHIA—Truck | | | 4,328 | | | 4,328 | | | |
| DRY CREEK—Ohio Oil Co. | 7,673 | 7,119 | | | (81) | 7,129 | | | 7,744 |
| ELK BASIN—Ohio Oil Co. | | 222,290 | | | | 163,937 | 58,353 | | |
| FRANNIE—Ohio Oil Co. | | 3,882 | | | | | 3,882 | | |
| GLENDIVE— DEER CREEK & WOODROW— | | | | | | | | | |
| The Texas Pipe Line Co. | 7,550 | 66,047 | | | (342) | | 9,602 | 55,640† | 9,697 |
| IVANHOE—Truck | | | 33,528 | | | 31,597 | 1,931 | | |
| KEVIN-SUNBURST | | | | | | | | | |
| Big West Oil Co. | 2,189 | 38,802 | | | | 38,199 | | | 2,792 |
| Homestake Oil & Gas Co. | 56 | 3,361 | | | (66) | 3,483 | | | |
| The Texas Pipe Line Co. | 4,082 | 35,390 | | 1,543 | 168 | 36,765 | | | 4,082 |
| Anna Aronow | 127 | 1,537 | | | | | | 1,543 | 121 |
| | 6,454 | 79,090 | | 1,543 | 102 | 78,447 | | 1,543 | 6,995 |
| MELSTONE—Truck | | | 7,053 | | | 7,053 | | | |
| MOSSER—Truck | | | 715 | | | 715 | | | |
| PONDERA— | | | | | | | | | |
| Phillips Petroleum Company | 76,011 | 47,950 | | | 697 | 84,115 | | | 39,149 |
| POPLAR, BREDETTE & OUTLOOK | | | | | | | | | |
| East Poplar Gathering System | 13,356 | 370,872 | | | 610 | | | 369,720† | 13,898 |
| Trucks | | | 27,776 | | | | 27,776 | | |
| | 13,356 | 370,872 | 27,776 | | 610 | | 27,776 | 369,720 | 13,898 |
| RAGGED POINT—Truck | | | 9,342 | | | 9,342 | | | |
| REAGAN—Union Oil Co. | | 18,075 | | | | 18,075 | | | |
| SNYDER—Truck | | | 3,079 | | | 3,079 | | | |
| SOAP CREEK—Truck | | | 12,880 | | | 12,880 | | | |
| SUMATRA | | | | | | | | | |
| Powder River Pipe Line Inc. | 10,680 | 102,931 | | | 515 | 104,286 | | | 8,810 |
| Trucks | | | 2,420 | | | | 2,420 | | |
| | 10,680 | 102,931 | 2,420 | | 515 | 104,286 | 2,420 | | 8,810 |
| SWEETGRASS HILLS—Truck | | | 194 | | | 194 | | | |
| WHITLASH | | | | | | | | | |
| Homestake Oil & Gas Co. | 1,304 | 253 | | 8,030 | | 6,283 | | | 3,304 |
| Western Natural Gas Co. | 331 | 8,119 | | | | | | 8,030 | 420 |
| Truck | | | 1,682 | | | 1,682 | | | |
| | 1,635 | 8,372 | 1,682 | 8,030 | | 7,965 | | 8,030 | 3,724 |
| WOLF SPRINGS— | | | | | | | | | |
| Powder River Pipe Line Co. | 1,676 | 48,165 | | | | 42,829 | | | 7,012 |
| TOTALS | 734,716 | 2,158,665 | 159,699 | 649,787 | 1,915 | 801,306 | 1,507,616 | 649,787 | 742,243 |

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey, and Southwest Richey Fields.

†Transferred to Butte Pipe Line Company.

## BARRELS OF CRUDE OIL REFINED IN MONTANA

### MONTH OF SEPTEMBER, 1957

| Field | Big West Oil Co. | Carter Oil Co. | Continental Oil Co. | Diamond Asphalt Co. | Farmers Union | Jet Fuel Refinery | Phil. Petr. Co. | The Texas Co. | Texas Calgary Co. | Union Oil Co | Unity Petr. Co. | Total by Fields |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bannatyne | | | | | | | 295 | | | | | 295 |
| Big Wall | | | | | 12,628 | | | | | | | 12,628 |
| Blackfoot | | | | | | | | | | 9,176 | | 9,176 |
| Border | | | | | | | | 2,419 | | | | 2,419 |
| Bowes | | | | 19,729 | | | | | | | | 19,729 |
| Bynum | | | | | | | 151 | | | | | 151 |
| Cat Creek | | | 8,847 | | | 3,754 | | | | | | 12,601 |
| Clark's Fork | | | | | 2,253 | | | | | | | 2,25[redacted] |
| Cut Bank | 31,423 | | | | | | 5,445 | 69,192 | | 67,426 | | 173,486 |
| Delphia | | | | | | 5,267 | | | | | | 5,267 |
| Dry Creek | | | | | 7,343 | | | | | | | 7,343 |
| Elk Basin | | 112,673 | 51,264 | | | | | | | | | 163,937 |
| Ivanhoe | | | | | 16,914 | | | | | 15,414 | | 32,328 |
| Kevin-Sunburst | 39,314 | | | | | | | 41,607 | | | | 80,921 |
| Lake Basin | | | | | 305 | | | | | | | 305 |
| Melstone | | | | | 5,273 | | | | | | | 5,273 |
| Mosser | | | | | | | | | | | 580 | 580 |
| Pondera | 150 | | | | | | 78,489 | | | | | 78,639 |
| Ragged Point | | | | | 8,717 | | | | | | | 8,717 |
| Reagan | | | | | | | | | | 18,076 | | 18,076 |
| Snyder | | | | | | | | | 1,169 | | | 1,169 |
| Soap Creek | | | | | | | | | 12,159 | | 1,240 | 13,399 |
| Sumatra | | | 408 | | 105,536 | | | | | | | 105,944 |
| Sweetgrass Hills | 194 | | | | | | | | | | | 194 |
| Whitlash | | | | | | | | 26,065 | | 1,681 | | 27,746 |
| Wolf Springs | | 43,522 | | | | | | | | | | 43,522 |
| Total Montana Oil | 71,081 | 156,195 | 60,519 | 19,729 | 158,969 | 9,021 | 84,380 | 139,283 | 13,328 | 111,773 | 1,820 | 826,09[redacted] |
| Canadian Oil Imported | | | | | | | | | | 4,717 | | 4,717 |
| Wyoming Oil Imported | | 555,176 | 267,320 | | 440,442 | 1,349 | | | | | | 1,264,287 |
| TOTAL Montana, Canadian, and Wyoming Oil | 71,081 | 711,371 | 327,839 | 19,729 | 599,411 | 10,370 | 84,380 | 139,283 | 13,328 | 116,490 | 1,820 | 2,095,102 |

### AVERAGE BARRELS PER DAY

| | Montana | Canada | Wyoming | TOTAL |
|---|---|---|---|---|
| Year 1956 | 24,735 | 239 | 37,486 | 62,460 |
| September, 1956 | 23,204 | 264 | 35,123 | 58,591 |
| September, 1957 | 27,536 | 157 | 42,142 | 69,835 |

### PERCENTAGE OF CRUDE OIL REFINED

| Montana | Canada | Wyoming |
|---|---|---|
| 39.60% | .39% | 60.01% |
| 39.60% | .45% | 59.95% |
| 39.42% | .24% | 60.34% |